



PN - EP0463404 A 19920102

PD - 1992-01-02

PR - DE19904020468 19900627

OPD - 1990-06-27

TI - Fiber-optic connector.

AB - In a fibre optic connector according to DIN47256, two longitudinally sprung manual connectors are connected to one another via the known coupling ferrule (according to 89 G 1620). The rear stop edge of the spring ferrule 5 represented there, and the associated stop edge in the cap nut 6 are machined conically in such a way that the connector jams with the coupling ferrule and the cable is protected against tension.

<IMAGE>

IN - KRAUSSE PETER DIPLO-ING (DE)

PA - SIEMENS AG (DE)

EC - G02B6/38D6H ; G02B6/38D8 ; G02B6/38D10A ; G02B6/38D12

IC - G02B6/38

CT - DE8908913U U [YD]; DE2701436 A [Y]; EP0345519 A [A];
JP54148544 A [A]

CTNP- [A] PATENT ABSTRACTS OF JAPAN Band 4, Nr.
8 (E-166), 22. Januar 1980; & JP - A - 54148544 (OKI DENKI)
20.11.1979

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TI - Light wave guide connector - has two sleeve sections coupled together by coupling sleeve to prevent cable being pulled out

PR - DE19904020468 19900627

PN - EP0463404 A 19920102 DW199202 000pp

- EP0463404 B1 19950111 DW199506 G02B6/38 Ger 005pp

- DE59104203G G 19950223 DW199513 G02B6/38 000pp

PA - (SIEI) SIEMENS AG

IC - G02B6/38

IN - KRAUSSE P

AB - EP-463404 The light wave guide plug with which the end of a fibre is fixed in a capillary of a metal rod (1) fastened in a sleeve by a female screw (2) and a clamp ring, is insertable into a centering and coupling sleeve by which the plug is centered about a counterpart and can be screwed into the housing by means of a long clamping nut (6) containing an axially biased spring (7) which is braced

against the nut (6) as the sleeve housing is screwed in.

- An axially slotted sleeve (5) is arranged in the nut (6) over the housing (4) as an extension of the centering and coupling sleeve such that the slotted sleeve (5) is braced against the fixed part (2) of the sleeve.
- ADVANTAGE - Does not allow disconnection when cable is pulled.
(4pp Dwg.No.1/2)

EPAB - EP-463404 Optical waveguide connector in which the end of the optical waveguide fibre is fixed in a capillary of a metal pin (1), the front surface of which ends in planar fashion, with the optical waveguide fibre and in which the metal pin (1) is secured in a sleeve-shaped connector housing (4) by means of a ring nut (2) and a locking ring (3) lying in an annular groove of the pin and this connector can be inserted into a centring and coupling sleeve (9), by means of which the connector is centred onto a counterpiece of another optical element and the connector housing can be screwed by means of a longer retaining nut (6) to the centring and coupling sleeve (9), and in which an axially acting compression spring (7) is mounted within the rear part of the retaining nut (6), which spring, in the course of screwing, braces the connector sleeve (4) against the retaining nut (6) axially slidably disposed thereabove, and an axially slotted sleeve (5) is disposed within the retaining nut by means of a partial piece of the connector sleeve, in such a manner that in the course of screwing a forward abutment of the slotted sleeve abuts against the centring and coupling sleeve and a rear abutment of the sleeve abuts against an inner collar (10) situated in the rear region of the retaining nut (6), characterised in that the abutment surfaces on the collar and in the rear region of the slotted sleeve are designed as a conical run-up surface in such a manner that in the course of screwing the slotted sleeve (5) is locked against the axially fixed parts (2) of the connector sleeve (4).

- (Dwg.1/2)

OPD - 1990-06-27

CT -

1.Jnl.Ref;DE2701436;DE8908913;EP0345519;JP54148544;01Jnl.R
ef

DS - AT BE CH DE FR GB IT LI NL SE

AN - 1992-009074 [13]